

## PROJECT INFORMATION

<b>Project Title</b>	Bloody Run Sub-Watershed Forest Improvement
<b>Brief Description</b>	<p>This project would complete environmental analysis (NEPA) to implement vegetative treatments through a stewardship program to improve the health of about 800 acres of National Forest System lands in a mixed conifer plant community. The proposed project would also fund pre-NEPA surveys of the project area. Forest health would be promoted by improving the health of trees through thinning, fuel reduction, invasive weed removal, and selection of hardwoods and other native trees as leave trees. The Forest Service provides funding to treat plantation areas and areas with excessive fuels. However, with limited funding it is difficult to treat all priority areas. The project area is within a wildland urban interface (WUI) which is a high priority area for fuel reduction. SNC funding would allow the Forest to treat more high priority areas.</p> <p>About 200 acres of natural conifer forest and 600 acres of planted conifer forest (plantation) would be commercially thinned. Completion of this environmental analysis would allow the Forest Service to put the proposed management actions out for bid. Private organizations would bid on the project and contract with the Forest Service to complete the work - thus supporting the local economy by providing jobs.</p> <p>The plantations within this subwatershed were formed after the 1957 Snowtent Wildfire. The trees within these plantations are primarily of one species and the forests lack vegetative diversity. In addition, the trees are growing too close together – they are considered overstocked. Overstocked stands of trees compete with each other for sunlight, soil nutrients and water. In many instances, trees growing in these types of conditions become weakened and are susceptible to disease.</p> <p>About 10 acres of Scotchbroom also exist in the plantation areas. The patches of Scotchbroom are considered outliers – small patches isolated from other infested areas. Treating these occurrences of Scotchbroom would help to prevent the spread of this invasive weed into other parts of the sub-watershed since most of the Scotchbroom is currently located along roads. The Scotchbroom would be manually pulled to reduce ladder fuels and therefore the risk of wildfire and improve native plant diversity.</p> <p>Outcomes include reduced tree density, increased biodiversity through retention of non-planted trees with emphasis on hardwood (black oak) release, and recruitment of future snags. Outcomes also include reduced fire hazard through fuel reduction using prescribed burning, mastication of shrubs/small trees, biomass of shrubs/small trees/limbs, and/or handcut/handpull/pile/burn shrubs/small trees/Scotchbroom.</p>

	<p>Performance measures include acres treated for fuel reduction, acres treated for invasive weeds, number of stewardship contracts offered, and number of biomass opportunities offered.</p> <p>Matching dollars for this project are provided from the Forest Service through: layout of the commercial thinning portion of the project (posting, cruise, mark, and contract preparation) – estimated at about \$32,000; fuel treatments (including salary for Forest Service personnel to do the fuel reduction and the cost of a sale administrator – estimated at about \$68, 570; and implementation monitoring – estimated at about \$1,775.</p>
<b>Total Requested Amount</b>	100,394.00
<b>Other Fund Proposed</b>	210,000.00
<b>Total Project Cost</b>	310,394.00
<b>Project Category</b>	Pre-Project Due Diligence
<b>Project Area/Size</b>	851
<b>Project Area Type</b>	Acres
<b>Have you submitted to SNC this fiscal year?</b>	No
<b>Is this application related to other SNC funding?</b>	No

<b>Project Results</b>
CEQA/NEPA Compliance

<b>Project Purpose</b>	<b>Project Purpose Percent</b>
Natural Disaster Risk Reduction (Fire)	
Natural Resource	
Water Quality	

<b>County</b>
Nevada

Sub Region
Central

**PROJECT CONTACT INFORMATION**

<b>Name</b>	Ms. Genice Froehlich,
<b>Title</b>	District Ranger
<b>Organization</b>	USDA Forest Service - Tahoe National Forest
<b>Primary Address</b>	631 Coyote Street, , Nevada City, CA, 95959
<b>Primary Phone/Fax</b>	530-478-6583 <b>Ext.</b>
<b>Primary Email</b>	gfroehlich@fs.fed.us

## PROJECT LOCATION INFORMATION

### Project Location

Address:	631 Coyote St, Northeast of Nevada City, East of Malakoff Diggins
State Park, Nevada City,	CA, 95959 United States
Water Agency:	Nevada Irrigation District
Latitude:	39.24
Longitude:	-120.50
Congressional District:	n/a
Senate:	n/a
Assembly:	n/a
Within City Limits:	No
City Name:	

ADDITIONAL INFORMATION

Grant Application Type

<b>Grant Application Type:</b> <b>Category Two Pre-Project Activities</b>
<b>Grant Application Type:</b> <b>Category Two Pre-Project Activities</b>

## PROJECT OTHER CONTACTS INFORMATION

### Other Grant Project Contacts

Name:	Ms. Kathy Van Zuuk,
Project Role:	Day-to-Day Responsibility
Phone:	5304786243
Phone Ext:	
E-mail:	kvanzuuk@fs.fed.us

## UPLOADS

The following pages contain the following uploads provided by the applicant:

Upload Name
Authorization to Apply or Resolution
Full Application Form
Completed Application Checklist
Parcel Map Showing County Assessors Parcel Number
Narrative Descriptions
Photos of the Project Site
Photos of the Project Site
Project Location Map
Photos of the Project Site
Photos of the Project Site
Table of Contents
Detailed Budget Form
Topographic Map



To preserve the integrity of the uploaded document, headers, footers and page numbers have not been added by the system.

## **Appendix B1**

### **Full Application Checklist**

Project Name: Bloody Run Sub-watershed Forest Health Improvement Project

Applicant: Genice Froehlich, Tahoe National Forest

Please mark each box: check if item is included in the application; mark "N/A" if not applicable to the project. "N/A" identifications must be explained in the application. Please consult with SNC staff prior to submission if you have any questions about the applicability to your project of any items on the checklist. All applications must include a CD including an electronic file of each checklist item, if applicable. The naming convention for each electronic file is listed after each item on the checklist. (Electronic File Name = EFN: "naming convention". file extension choices)

Submission requirements for all Category One and Category Two Grant Applications

1. ☐ Completed Application Checklist (EFN: *Checklist.doc,.docx,.rtf, or .pdf*)
2. ☐ Table of Contents (EFN: *Table of contents.docx*)
3. ☐ Full Application Project Information Form (EFN *Appendix B2.doc*)
4. ☐ Authorization to Apply or Resolution (EFN: *Authorization to apply.pdf*)
5. ☐ Narrative Descriptions - Submit a single document that includes each of the following narrative descriptions (EFN *Bloody Run Narrative.docx*)
  - a. ☐ Detailed Project Description (5,000 character maximum)
    - ☐ Project Description including Goals/Results, Scope of Work, Location, Purpose, etc.
    - ☐ Project Summary
    - ☐ Environmental Setting
  - b. ☐ Workplan and Schedule (1,000 character maximum)
  - c. ☐ Restrictions, Technical/Environmental Documents and Agreements(1,000 character maximum)
  - d. ☐ Organizational Capacity(1,000 character maximum)
  - e. ☐ Cooperation and Community Support (1,000 character maximum)
  - f. ☐ Long Term Management and Sustainability (1,000 character maximum)
  - g. ☐ Performance Measures (1,000 character maximum)
6. Supplemental and Supporting documents
  - a. ☐ Detailed Budget Form (EFN *Bloody Run budget.xls.*)
  - b. Restrictions, Technical/Environmental Documents and Agreements, as applicable
    - ☐ Restrictions / Agreements(N/A Category Two Pre-Project Activities )

- ☐ Regulatory Requirements / Permits (N/A Category Two Pre-Project Activities )  
☐ California Environmental Quality Act (CEQA) documentation (N/A Category Two Pre-Project Activities )  
☐ National Environmental Policy Act (NEPA) documentation (N/A Category Two Pre-Project Activities )  
 Cooperation and Community Support  
 x☐ Letters of Support  
 c. Long-Term Management and Sustainability  
☐ Long-Term Management Plan *(To be determined in the NEPA document)*  
 d. Maps and Photos  
 X☐ Project Location Map *(EFN Bloody Run Map.jpeg)*  
 X☐ Parcel Map showing County Assessor's Parcel Number(s) *(EFN Bloody Run Parcel Map.jpeg)*  
 X☐ Topographic Map *(EFN: (same as Bloody Run MAP.jpeg)*  
 X☐ Photos of the Project Site *(EFN Bloody Run North end.jpeg, Bloody Run East end.jpeg, Bloody Run with mid yuba gorge at top.jpeg, Bloody Run creek in bottom of picture.jpeg)*  
 e. Additional submission requirements for Conservation Easement Acquisition applications only N/A this is not a conservation easement project  
☐ Acquisition Schedule *(EFN: acqSched.doc,.docx,.rtf,.pdf)*  
☐ Willing Seller Letter *(EFN: WillSell.pdf)*  
☐ Real Estate Appraisal *(EFN: Appraisal.pdf)*  
☐ Conservation Easement Language *(EFN: CE.pdf)*  
 f. Additional submission requirements for Site Improvement / Restoration Project applications only N/A - refer to authorization to apply (#4)  
☐ Land Tenure Documents – attach only if documentation was not included with Pre-application *(EFN: Tenure.pdf)*  
☐ Site Plan *(EFN: SitePlan.pdf)*  
☐ Leases or Agreements *(EFN: LeaseAgmnt.pdf)*

I certify that the information contained in the Application, including required attachments, is accurate.

Signed \_\_\_\_\_ (Authorized Representative)
 
January 23, 2012  
 Date

Gary A. Cline      District Culturist  
 \_\_\_\_\_  
 Name and Title *(print or type)*

# BLOODY RUN SUB-WATERSHED FOREST HEALTH IMPROVEMENT

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## Appendix B2

### SIERRA NEVADA CONSERVANCY PROPOSITION 84 - PROJECT INFORMATION FORM

Rev. August 2011

#### PROJECT NAME

**Bloody Run Subwatershed Forest Health Improvement Project**

#### APPLICANT NAME (Legal name, address, and zip code)

Genice Froehlich, Tahoe National Forest, 631 Coyote Street, Nevada City, California 95959

#### PERSON WITH FISCAL MANAGEMENT RESPONSIBILITY FOR GRANT CONTRACT/INVOICING

*Name and title – type or print*

*Phone*

*Email Address*

☐ Mr. Gary Cline, District Culturist

(530) 478-6290

[gcline@fs.fed.us](mailto:gcline@fs.fed.us)

#### COUNTY ADMINISTRATOR OR PLANNING DIRECTOR CONTACT INFORMATION (At least one entry is required)

Name: Nevada County Board of Supervisors - Nate Beason

Phone Number (530) 265-1480

Email address: [cao@co.nevada.ca.us](mailto:cao@co.nevada.ca.us)

#### NEAREST PUBLIC WATER AGENCY (OR AGENCIES) CONTACT INFORMATION (At least one entry is required)

Name: Nevada Irrigation District

Phone Number: (530)273-6185

Email address: [www.nid.dst.ca.us](http://www.nid.dst.ca.us)

#### Please identify the appropriate project category below and provide the associated details (Choose One)

☐ Category One Site Improvement

X ☐ Category Two Pre-Project Activities

☐ Category One Conservation Easement Acquisition

#### ☐ Site Improvement/Conservation Easement Acquisition

Project area: \_\_1,100 acres (within project area boundary) \_\_

Total Acres: \_\_\_\_\_

SNC Portion (if different): \_851 acres of proposed treatments \_\_\_\_\_

Total Miles (i.e. river or stream bank): \_\_\_\_\_

SNC Portion (if different): \_\_\_\_\_

**For Conservation Easement Acquisitions Only**

#### Select one primary Site Improvement/Conservation Easement Acquisition deliverable

X ☐ Restoration

☐ Enhancement

☐ Resource Protection

☐ Infrastructure Development / Improvement

☐ Conservation Easement

<input type="checkbox"/> Appraisal Included <input type="checkbox"/> Will submit appraisal by _____	
<input type="checkbox"/> <b>Pre-Project Activities</b> <b>Completion of an Environmental Assessment with associated biological evaluations, BMPs, archeological site reports, and Cumulative watershed impacts analysis to meet NEPA requirements.</b>	<b>Select <u>one</u> primary Pre-Project deliverable</b> <div><input type="checkbox"/> Permit <input checked="" type="checkbox"/> CEQA/NEPA Compliance <input type="checkbox"/> Appraisal <input type="checkbox"/> Plan</div> <div><input type="checkbox"/> Condition Assessment <input type="checkbox"/> Biological Survey <input type="checkbox"/> Environmental Site Assessment</div>



United States  
Department of  
Agriculture

Forest  
Service

Yuba River  
Ranger  
District

15924 Highway 49  
Camptonville, CA  
95922-9707  
530-288-3231  
530-288-3656 TDD  
530-288-0727 FAX

File Code: 1580

Date: January 23, 2012

Sierra Nevada Conservancy  
11521 Blocker Drive  
Suite 205  
Auburn, CA

Dear Sierra Nevada Conservancy,

I certify that the information contained in the Bloody Run Application, including required attachments is correct. I also certify that this project is located on National Forest System lands and therefore it does not require land tenure documentation.

Sincerely,

GENICE FROEHLICH  
District Ranger

cc: Gary Cline





## **Bloody Run Sub-watershed Forest Health Improvement Project**

[REFER TO APPENDIX C FOR A LIST OF ACRONYMS.](#)

**Project Summary:** This project is located on the Tahoe National Forest in an area generally northeast of Nevada City and east of Malakoff Diggins State Park. The purpose of the project is to complete the environmental analysis so that vegetative treatments can be implemented to improve the health of approximately 851 acres of National Forest System (NFS) lands. The project goals include reduction of wildfire risk on those 851 acres, improved forest health through thinning and other fuel reduction activities, improved habitat conditions, and treatments to eliminate Scotchbroom on 10 acres. An addition goal is to improve the resilience of the forest so it is better adapted in light of predicted climate change. Forest health would be promoted by improving the health of trees through thinning, fuel reduction, invasive weed removal, and selection of hardwoods and other native trees as leave trees. Hardwoods would also be released to promote better crown development and increased mast production for wildlife. This project will also contribute to the SNC mission by implementing a project (after NEPA analysis) that improves the environmental and economic well-being in the project area. It is estimated that about 50-68 jobs will be created to implement this project.

About 181 acres of natural conifer forest and 670 acres of planted conifer forest (plantation) will be commercially thinned. The plantations and most of the natural stands within this sub-watershed were formed after the 1957 Snowtent Wildfire. In the plantation the trees are primarily of one species creating conditions that lack vegetative diversity. The trees in both natural stands and plantations are growing too close together –competing with each other for sunlight, soil nutrients and water. In many instances, trees growing in these types of conditions become weakened and are susceptible to disease. There are increasing levels of density related mortality occurring through bark beetle attacks.

Outcomes include reduced tree density, increased biodiversity through retention of non-planted trees with emphasis on hardwood (black oak) release, and recruitment of future snags and down logs. Outcomes also include reduced fire hazard through fuel reduction using prescribed burning, mastication of shrubs/small trees, biomass [removal](#) of small trees/limbs/tops, and/or handcut/handpull/pile/burn shrubs/small trees/Scotchbroom. Performance measures include acres treated for fuel reduction, acres treated for invasive weeds, number of stewardship contracts offered, and number of biomass opportunities offered.

### **Environmental Setting Narrative:**

The project area is comprised of approximately 70 percent plantation and 25 percent natural stands, both regenerated following a fire in 1957. The remaining 5% is natural forested areas which survived the fire.. Generally slopes are less than 45% with most less than 30%.

The TNF LRMP places the project area in the South Yuba Management Area -#42. Management direction for this area emphasizes timber harvest and transitory range opportunities. In areas of residential property, direction is to work closely with neighbors at the project level to

minimize conflicts that may occur from differences in objectives. Wildfire and timber harvest have been largely absent on NFS lands within the project area in recent years, creating dense stands of with crowded canopy conditions. Fairly extensive timber harvesting has occurred in recent years on Sierra Pacific Industries owned lands adjacent to the project area. Even aged Harvests on these private lands were followed by herbicide treatments and conifer planting. These actions have created large areas with young conifers. In addition there are adjacent lands that have a relatively large number of small privately owned lots that are considered residential areas.

Management direction for WUI areas is to design fuel treatments that would restrict encroaching wildfire to ground levels and provide a buffer between developed areas and wildlands. Further, to design and distribute treatments that increase the efficiency of firefighting efforts and reduce risks to firefighters, the public, facilities and structures, and natural resources, we determine the distribution, schedule and types of fuels reduction treatments through collaboration with local agencies, air regulators, groups and individuals, and place the highest density of treatments within and adjacent to developed areas within the WUI.

**Project Description:** This project is located on the Tahoe National Forest in an area generally northeast of Nevada City and east of Malakoff Diggins State Park in portions of sections 21, 22, 23, 26, and 28, Township 18 North, Range 10 East. The purpose of the project is to complete the environmental analysis so that vegetative treatments can be implemented to improve the health of about 800 acres of National Forest System (NFS) lands. The project goals include reduction of wildfire risk on those 800 acres through increased resilience of the forest through thinning and other fuel reduction activities, improved habitat conditions, hardwood enhancement and release, and treatments to eliminate Scotchbroom on 10 acres. An addition goal is to increase the health of the forest so it is more resilient in light of predicted climate change. Forest health would be promoted by improving the health of trees through thinning, fuel reduction, invasive weed removal, and selection of hardwoods and other native trees as leave trees. This project will also contribute to the SNC mission by implementing a project (after NEPA analysis) that improves the environmental and economic well-being in the project area. It is estimated that about 57 to 70 jobs will be created to implement this project. Completion of this environmental analysis will allow the Forest Service to put the proposed management actions out for bid. Private organizations will bid on the project and contract with the Forest Service to complete the work - thus supporting the local economy by providing jobs. In addition, the Forest Service provides funding to treat poor fuel conditions which are highly susceptible to severe wildfire damage. This project area is a priority for treatment for the Tahoe National Forest since it is within a wildland urban interface (WUI). However, with limited funding it is difficult to treat all priority areas. SNC funding will allow the Forest to treat more high priority areas.

Fuels treatments not accomplished through the bid contract could be accomplished by Forest Service personnel. This would include prescribed burning and hand piling of slash, brush, and small trees.

About 181 acres of natural conifer forest and 670 acres of planted conifer forest (plantation) will be commercially thinned. The plantations within this subwatershed were formed after the 1957 Snowtent Wildfire and the trees are primarily of one species creating conditions that lack vegetative diversity. In most areas, the trees are growing too close together –competing with each other for sunlight, soil nutrients and water. In many instances, trees growing in these types of conditions are on the margin of the carrying capacity of the site and become weakened and susceptible to disease.

Hardwoods (primarily California black oak) are present in the project area but in peril of being over topped by conifers. Most hardwoods are stump sprouts following the 1957 fire which are typically multi-stemmed and are in the right size range to benefit from culturing of stems to promote faster height and diameter growth by concentrating resources to fewer stems. This along with removal of over topping conifers would result in a more vigorous hardwood population and better mast producing potential for wildlife.

About 10 acres of Scotchbroom exists in a plantation. This Scotchbroom infestation is considered isolated from other Scotchbroom infestations making it a priority for treatment. In addition, this patch of Scotchbroom is considered small making eradication a reasonable goal. Treating the Scotchbroom in these 10 acres will help prevent the spread of this invasive weed into other parts of the sub-watershed since most of the Scotchbroom is currently located along roads. The Scotchbroom will be manually pulled to reduce ladder fuels and the risk of wildfire and to improve native plant diversity.

Outcomes include reduced tree density, increased biodiversity through retention of non-planted trees with emphasis on hardwood (black oak) release, and recruitment of future snags. Outcomes also include reduced fire hazard through fuel reduction using prescribed burning, mastication of shrubs/small trees, biomass of shrubs/small trees/limbs, and/or handcut/handpull/pile/burn shrubs/small trees/Scotchbroom. Performance measures include acres treated for fuel reduction, acres treated for invasive weeds, number of stewardship contracts offered, and number of biomass opportunities offered.

Matching dollars for this project are provided from the Forest Service through: labor to layout the commercial thinning portion of the project (posting, cruise, mark, and contract preparation) – estimated at \$49,000; fuel treatments (including salary for Forest Service personnel to do the fuel reduction and the cost of a sale administrator – estimated at \$135, 000; and hardwood culturing and reforestation – estimated at \$26,000.

### **Workplan and Schedule Narrative:**

The process would be started with a project initiation letter assigning positions on an interdisciplinary team (IDT). The IDT would then meet to develop a proposed action. From this process a public scoping letter would be drafted, mailed to interested members of the public, and the project would be listed in our Schedule of Proposed Actions (SOPA). This will start the public scoping process. Following a 30+ day comment period, the IDT will convene to review comments, respond to comments, and develop alternatives.

A CWE would be developed to determine current watershed health and the impacts of planned actions.

As weather, ground conditions, access, and timing permit, archeological surveys, plant surveys, and wildlife surveys would be completed.

Biological evaluations for wildlife and rare plants would be completed. A weed risk assessment and required archeological reports would be completed.

The IDT would meet to review proposed mitigations, and complete the EA, and BMPs would be developed. The EA would be published and released for a 45 day comment period with final decision. Following appeal resolution the project can be implemented.

Table 1 – Project Workplan (**Timeline is shown as time from grant initiation**)

<b>Project Deliverables</b>	<b>Timeline</b>
Project initiation letter	10 days
Interdisciplinary team (IDT) meeting to develop draft project description and proposed action.	45 days
Scoping	90 days
Publish project in SOPA	Within scoping time period
IDT meeting to go over scoping comments and develop alternatives	105 days
Archeology surveys	Within scoping time period
Completion of biological evaluations for wildlife and rare plants	130 days
Completion of weed risk assessment	130 days
IDT meeting to review proposed mitigations including best management practices	145 days
Publish EA	160 days
Final decision	220 days

### **Restrictions, Technical/Environmental Documents and Agreements Narrative:**

#### **Restrictions/Agreements:**

The Tahoe National Forest Land and Resources Management Plan (TNF LRMP) places the project area in the South Yuba Management Area -#42. Management direction for this area emphasizes timber harvest and transitory range opportunities. In areas of residential property, direction is to work closely with neighbors at the project level to minimize conflicts that may occur from differences in objectives (TNF LRMP). Wildfire and timber harvest have been largely absent on NFS lands within the project area in recent years creating stands of trees growing close together with dense canopy conditions. Fairly extensive timber harvesting has occurred in recent years on Sierra Pacific Industries owned lands adjacent to the project area. Even aged Harvests on these private lands were followed by herbicide treatments and conifer planting. There are adjacent lands that have a relatively large number of small privately owned lots that are considered residential areas.

Management direction for Wildland Urban Interface (WUI) areas under the Sierra Nevada Framework (2004) is to design fuel treatments that would restrict encroaching wildfire to ground levels and provide a buffer between developed areas and wildlands. To design and distribute treatments to increase the efficiency of firefighting efforts and reduce risks to firefighters, the public, facilities and structures, and natural resources, to determine the distribution, schedule and types of fuels reduction treatments through collaboration with local agencies, air regulators, groups and individuals, and place the highest density of treatments within and adjacent to developed areas within the WUI.

No property restrictions or encumbrances will adversely impact project completion because the private property boundaries will be marked by a certified land surveyor. We will work with private land owners to develop planned treatments that enhance or compliment work done on adjacent private lands as it relates to forest and ecosystem health and fuels hazard reduction.

**Regulatory Requirements/Permits:** Permits are not applicable because the context of the proposed actions are considered limited to minor, local, short-term effects within the project area and no significant effects either long or short term, regional or societal, are anticipated. In addition, the Regional Water Quality Control Board, Central Valley Region (CVRWQCB) has adopted a resolution which provides for a conditional waiver of the requirement to file a report of waste discharge and obtain waster discharge requirements for timber harvest activities on USFS lands within the Central Valley Region. To be eligible for coverage under this waiver category, the project must meet the definition of timber harvest activities and comply with all of the applicable eligibility criteria and conditions. Eligibility criteria include conducting: a multi-disciplinary review of the timber harvest proposal including review by watershed specialists and inclusion of best management practices (BMPs); a cumulative watershed effects (CWE) analysis; and provided the public and other interested parties reasonable opportunity to comment on the proposals. All of these criteria will be completed in this project.

**California Environmental Quality Act (CEQA):** This environmental analysis will be CEQA compliant because it will include a Negative Declaration, a Mitigated Negative Declaration, and/or an Environmental Impact Report will be done. The project will be subject to CEQA analysis and the adopted environmental documentation and the filed and date-stamped Notice of Determination is attached.

**National Environmental Policy Act (NEPA):** The completed NEPA document is one of the deliverables of this project.

### **Organizational Capacity Narrative:**

The Tahoe National Forest routinely conducts environmental analysis to do vegetative management on NFS lands using an interdisciplinary team approach. The environmental analysis will be conducted using a broad-based resource analysis team that includes: a silviculturist, archaeologist, botanist, wildlife biologist, hydrologist/soil scientist, recreation planner, fuels specialist, and range conservationist. The project initiation letter assigns these personnel to work on this project.

The Yuba River Ranger District has completed projects beyond the size and complexity of the proposed project and has a very good track record of success. We have the expertise on staff to complete the project therefore bypassing the need to outsource work.

**Cooperation and Community Support Narrative:** A list of stakeholders and community members consulted will be included in the environmental analysis and is considered a project deliverable. Cooperators and collaborators will include adjacent private property owners, Nevada County, the Nevada County Fire Safe Council, Nevada Placer County Noxious Weed Management Group, environmental groups, Sierra Pacific Industries, and local businesses. Please refer to the scoping portion of the work plan for more information.

**Long-term Management and Sustainability Narrative:** Long-term management objectives in this project area include:

**Vegetation:** Forest structure and function are in line to resemble old forest conditions. Forest stands are diverse in species and structure and resilient in light of climate change forecasts. A range of seral stages are present across the landscape.

**Water:** Water quality meets the goals of the Clean Water Act and Safe Drinking Water Act. This can be summarized as an aquatic system that supports healthy aquatic plant, vertebrate, and invertebrate populations. Species composition and structural diversity of plant and animal communities in riparian areas, wetlands, and meadows provide desired habitat conditions and function. Maintain spatial and temporal connectivity for riparian and aquatic dependent species. The physical structure and condition of stream banks and shorelines minimizes erosion and sustains desired habitat diversity. Make certain riparian areas and meadow environments are hydrologically functional.

**Soils:** These should have favorable infiltration characteristics and diverse vegetative cover to absorb and filter precipitation and sustain favorable conditions of stream flows.

**Wildlife:** A range of conditions exist that would allow for maintenance of existing wildlife populations and perpetuation of species.

**Fuels:** The WUI emphasis is to reduce the size and severity of wildfire and result in stand densities necessary for healthy forests during drought conditions. To create and maintain these conditions taking treatments on adjacent lands in to consideration to enhance or compliment those adjacent land fuel treatments.

**Performance Measures Narrative:** Performance measures would be counted as acres treated for; density reduction, fuels condition class change, wildlife habitat improvement, and watershed improvement activities. Other measures would include feet of stream bank protected by surrounding treatments, tons of carbon sequestered, jobs created, and financial input into the local economy.

<b>Performance measure</b>	<b>Accomplishment in project</b>
Number of people reached	>2,000 through jobs, news media, adjacent landowners.
Dollar value of resources leveraged for the Sierra Nevada	>\$5,000,000.00
Number and Type of Jobs Created	50 to 68 timber industry jobs plus other more short term gains in follow up fuels, reforestation, hardwood management activities.
Number of new, improved, or preserved economic activities	Boost to the local timber and forestry industries. Improvements to water quality for the Yuba River drainage.
Linear feet of stream bank protected	7,800
Number of special significance site protected	2 (protection of a historic cemetery, and protection of valuable fish and amphibian habitat).
Tons of carbon sequestered or emissions avoided	Approximately 800 metric tons per year from in growth and a one time capture of 32,000 metric tons from dimensional lumber production. Emissions avoided are harder to measure but is very significant.
Acres of land improved or restored	851
Number of collaboratively developed plans and assessments	At least 2 with adjacent landowners
Percent of pre-project and planning efforts resulting in project implementation	100%

The next part is detailed budget form – Appendix B-3

# Appendix B3

## SIERRA NEVADA CONSERVANCY

### PROPOSITION 84 - DETAILED BUDGET FORM

Bloody Run Sub-watershed Forest Health Improvement

Genice Froehlich

SECTION ONE DIRECT COSTS	Year One	Year Two	Year Three	Year Four	Year Five	Total
NEPA/CEQA	\$58,805.00					\$58,805.00
Surveys	\$12,000.00					\$12,000.00
Archeology work	\$670.00					\$670.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
<b>DIRECT COSTS SUBTOTAL:</b>	\$71,475.00	\$0.00	\$0.00	\$0.00	\$0.00	\$71,475.00

SECTION TWO INDIRECT COSTS	Year One	Year Two	Year Three	Year Four	Year Five	Total
Monitoring- crew salary		\$3,775.00				\$3,775.00
Contract administration		\$17,900.00				\$17,900.00
						\$0.00
						\$0.00
<b>INDIRECT COSTS SUBTOTAL:</b>	\$0.00	\$21,675.00	\$0.00	\$0.00	\$0.00	\$21,675.00
<b>PROJECT TOTAL:</b>	\$71,475.00	\$21,675.00	\$0.00	\$0.00	\$0.00	\$93,150.00

SECTION THREE Administrative Costs (Costs may not to exceed 15% of total Project Cost) :						Total
*Organization operating/overhead costs	\$7,244.00					\$7,244.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
<b>ADMINISTRATIVE TOTAL:</b>		\$0.00	\$0.00	\$0.00	\$0.00	\$7,244.00
<b>SNC TOTAL GRANT REQUEST:</b>	\$71,475.00	\$21,675.00	\$0.00	\$0.00	\$0.00	\$100,394.00

SECTION FOUR OTHER PROJECT CONTRIBUTIONS	Year One	Year Two	Year Three	Year Four	Year Five	Total
<i>List other funding or in-kind contributors to project (i.e. Sierra Business Council, Department of Water Resources, etc.)</i>						
Contract layout and prep	\$0.00	\$45,000.00				\$45,000.00
Contract package preparation		\$4,000.00				\$4,000.00
prescribed burning	\$0.00		\$15,000.00	\$15,000.00	\$15,000.00	\$45,000.00
hand cut/pile/burn			\$15,000.00			\$15,000.00
Hardwood culture			\$20,000.00			\$20,000.00
Mastication thin and fuels reduction			\$75,000.00			\$75,000.00
Plant landings			\$6,000.00			\$6,000.00
<b>Total Other Contributions:</b>	\$0.00	\$49,000.00	\$131,000.00	\$15,000.00	\$15,000.00	\$210,000.00



















